

ABSTRACT OF THE DISCLOSURE

1 A transmitter employing a cryptographic algorithm and key generates and transmits a
2 staggered pulse signal that includes a plurality of high-power pulses that are part of a
3 pseudonoise (PN) code. The high-power pulses are separated by a group of low-power chips
4 and the time interval between the high-power pulses is varied according to the cryptographic
5 algorithm and key. A receiver, employing a corresponding cryptographic algorithm and key
6 receives the signal and correlates it with a locally generated code that is modified according
7 to the cryptographic algorithm and key to detect the phase of the received PN code. The
8 receiver also can include a matched filter configured according to the cryptographic
9 algorithm and key to detect the sequence of high-power pulses in the received signal.